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a group of fishes of whose development almost nothing is known, and a detailed account of its embryology would have an interest and importance only excelled among the vertebrates by that of *Ceratodus*. The gar pike's development has only been studied by Mr. Agassiz, and his observations are very incomplete; though very important. A study of the development of any of the *Amiuridae* (cat fish and horned pouts) would be very interesting and instructive, and would amply repay the person who will undertake it, while the man who investigates the method of growth of *Myxine*, so common at Eastport, will have an entirely unexplored field to himself.

The problems which we have stated are almost entirely embryological, and it is in this line of development that the most important results are to be reached. A future article will present more of the anatomical side.

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#### RECENT LITERATURE.

THE ZOOLOGICAL RECORD FOR 1880.<sup>1</sup>—This volume, the seventeenth of the series, has appeared with commendable promptness, and Mr. Rye, the editor, assures us that this rate of issue will henceforth be maintained. The records of the different departments are nearly the same as in the preceding volume.

It appears that the number of new genera and sub-genera contained in the present volume is 1008, as against 976 of Vol. xvi (which contained sixty new genera of *Arachnida*, properly belonging to Vol. xv, from which that group had been omitted). These are divided as follows: Mammalia, 34; Aves, 16; Reptilia, 216; Pisces, 31; Mollusca and Molluscoida, 79; Crustacea, 80; Arachnida, 78; Myriopoda, 2; Insecta, 438; Vermes, 28; Echinodermata, 24; Cœlenterata, 70; Spongida, 51; and Protozoa, 56.

The number of pages is about the same as in the preceding volume. On p. 3, Myriopoda, we notice an important error. Mr. Ryder's order *Symphyla* is spelled *Symphuta*, the name not being repeated in the note under the heading thus misspelled.

This record is of the greatest service to the systematic zoologist, and to none more than those who are unfortunate enough not to be within reach of large libraries. Hence the American zoologist needs the "Record," if he has no other works.

THE FISH FAUNA OF BORNEO.<sup>2</sup>—In Vol. xvi of the Annals of the Genoa Museum of Natural History, D. Vinciguerra com-

<sup>1</sup> *The Record of Zoological Literature*. London. Van Voorst. 1881. 8vo.

<sup>2</sup> *Annali del Museo Civico di Storia Naturale di Genova*. Vol. xvi. D. VINCIGUERRA. Appanti ittiologici sulle collezioni de Museo Civico di Genova iv. Prima contribuzione alla Fauna Ittiologica di Borneo, pp. 161-182.